

Name \_\_\_\_\_

**"Magic" Water**  
**Pre-Session: Activity Sheet Three**

So now that you have learned about different lenses let's discover the world of refracting light. Light refracts when it travels through different materials. Let's see what happens to your pencil when you use magic water!

Place your pencil in a clear jar. Draw what you see from the side of the jar. Next pour the jar half full with "magic water". Draw what happens to your pencil. What would happen if you replace the "magic water" with half a jar of vegetable oil? Try it and draw what you see.

| Clear Jar/Pencil | Water/Pencil | Oil/Pencil |
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**What did you notice?** : Write what you think caused the pencil to change shape. What variable caused the pencil to look different?

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